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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,436	11/25/2003	David Bruce Kumhyr	AUS920030911US1	7133
35525	7590 02/23/2007		EXAM	INER
IBM CORP (YA) C/O YEE & ASSOCIATES PC P.O. BOX 802333 DALLAS, TX 75380			MARC, MCDIEUNEL	
			ART UNIT	PAPER NUMBER
DALLAS, IA 13300			3661	
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SHORTENED STATUTO	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		02/23/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/721,436	KUMHYR, DAVID BRUCE				
Office Action Summary	Examiner	Art Unit				
	McDieunel Marc	3661				
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.136(a). In no event, however, may a reply be tired will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 25	November 2003					
	is action is non-final.					
· <u> </u>	<u> </u>					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
·	Expans quayre, roos oler ri, is	50 0.0.2.0.				
Disposition of Claims						
4) Claim(s) <u>1-35</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-35</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers		•				
9)⊠ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>25 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No.						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
	·					
Attachment(s)		•				
Notice of References Cited (PTO-892)	4) Interview Summary					
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	Paper No(s)/Mail Date				
B) ☑ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal F 6) Other:	ratent Application				
oper moto/mail Date						

10/721,436 Art Unit: 3661

DETAILED ACTION

1. Claims 1-35 are presented for examination.

Specification

2. The abstract of the disclosure is objected to because the title should be deleted on top of the abstract. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 4. Claims 1-35 are rejected under 35 U.S.C. 102(a) as being anticipated by Sempé et al. (Autonomous Robots Sharing a Charging Station with no Communication: a Case Study, 2002).

As per claims 1-35, <u>Sempé et al.</u> teaches a research that "focuses on the design of a group of self-sufficient mobile robots, such that a group of three robots can remain in operation and efficiently share a charging station, using simple mechanisms. An experimental bottom-up

10/721,436

Art Unit: 3661

approach has been adopted in order to test various strategies to manage collective self-sufficiency, which rely upon low-level mechanisms such as non-direct communication and non-complex decision making" equates to a recharging system, comprising: a nesting station having a first connector for a self-mobile device, said first connector being configured in such a manner that self-mobile devices can self-position into a position for charging; a plurality of self-mobile devices, each of said plurality of self-mobile devices having a capability to self-propel into a charging position with said first connector; a first communications device associated with said nesting station and a plurality of second communication devices associated with respective ones of said plurality of self-mobile devices, whereby said nesting station can have two-way communications with said plurality of self-mobile devices; a first protocol for negotiating and utilizing respective charging times for said plurality of self-mobile devices, said protocol being negotiated by said nesting station and each of said plurality of self-mobile devices, whereby human intervention is not necessary for charging of said plurality of self-mobile devices (see entire document).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to McDieunel Marc whose telephone number is (571) 272-6964. The examiner can normally be reached on 6:30-5:00 Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

McDicunel Marc

Exammer Art Unit 3661

Friday, February 09, 2007 MM/

THOMAS BLACK THOMAS BLACK EXAMINER